

Southwestern Is Pushing the Work

Has Three Churn Drills in Live Oak Gulch Development Work.

Miami, Ariz., Dec. 10.—The Southwestern Development company is continuing its exploration of the Live Oak gulch and of its other claims along Live Oak gulch with three churn drills in steady operation.

Hole No. 16 is 1665 feet deep in mineralized schist and hole No. 17 is 215 feet deep in the same formation. Hole No. 18, which was started recently, is 140 feet deep and has not yet passed through the silica conglomerate that covers the schist in that area.

Iron Cap Mountain Record. The Iron Cap is maintaining its record as a producer of copper ore and manager Woodward states the mine was never in better shape and that the future looks most promising.

The drift on the 650 foot level, from which most of the ore is being extracted at the present time, was holed through on the sixth level of the old Kureks shaft of the Arizona Commercial mine. This very important connection was made during the past week and now affords excellent ventilation to the Iron Cap mine. In fact the connection was made almost entirely for the purpose of increasing more work and increased efficiency will be the result.

In addition to the mining operations on the 650 foot level, drifting and stoping are being done on the 800 foot level, though the greater part of the ore comes from the upper level. Shipments to the Old Dominion smelter are being maintained at the rate of 15 to 18 50 ton cars per month and the ore averages about 8 percent copper. In addition to this there is being shipped one car a month of very high grade ore averaging 25 to 30 percent copper and also carrying about 15 ounces of silver per ton.

About 40 men are employed and the mine is obviously in a prosperous condition.

To Connect With Main East Shaft. Development work at the Inspiration Consolidated Copper company's mine is being carried ahead at a rapidly increasing rate. Within a few days connection should be made with the main east shaft on the sixth level and connection should be made with the main west shaft on the same level about five days later.

A new haulage drift is being opened up on the sixth level on a coordinate at least 50 feet east of the present north-south haulage drift in the Colorado orebody.

On the sublevels of the Joe Bush orebody work is in progress in order to provide adequate airways and openings for ventilation, which will be necessary in the course of mining that orebody. The two long raises from the fourth level up to the Joe Bush ore dump are approximately 250 feet long and will soon be holed through to the surface, and from these branch raises will be put up so that the whole stockpile surface may be reached and the mill with practically no shoveling.

In Assembling Material. The American Bridge company is now unloading steel at the site of the main shaft for the double head frame and all of the supplies have been put to work again. The foundations are all in readiness and steel is now being distributed for the incline conveyor and within a few days erection work will be in progress.

Grading continues at the smelter site by MacArthur Brothers company. Two spurs have been put in from the main line to the smelter site. The steam shovel is now digging for a sidetrack and the wagon road will be changed to the other side of the site, as it has been cut off from the former route. House B-10, located near the telephone office in Inspiration camp, is now being reworked and will be occupied by Dr. Erwin, as well as used as a dispensary for emergency cases.

Castle Dome Work Proceeds. At the Castle Dome a distance of 60 feet has been driven which gives the tunnel at the face a vertical depth of approximately 125 feet. The last 50 feet has been continuously passing through high grade stringers of lead, silver and copper. Hefner and Harrison, who have been working on the property, relinquished their lease recently. Henry McCormick, who is heavily interested in the Castle Dome, is now at the property.

Interest Notice to Savings Depositors. Interest on your accounts to December 1st, 1913, has been credited to your books, and may be drawn at any time. Those who prefer to let the interest remain, can have same entered on their passbooks at their convenience. Rio Grande Valley Banks and Trust Co. (Advertisement.)

QUICKSILVER MINE BRINGS \$2,500,000

Deal Is Practically Made For Sunflower-Cinnabar Property.

Phoenix, Ariz., Dec. 10.—For \$2,500,000 a foreign syndicate will shortly take over the property of the Sunflower-Cinnabar Mining company, in the Mazatzal mountains, 80 miles northeast of Phoenix.

The syndicate now has a representative in Phoenix who has made a positive offer. The stockholders held a special meeting and authorized the directors to proceed with the deal.

There are 112 stockholders in the company, nearly all residents of Phoenix. They will receive approximately \$7.58 a share for stock that cost them, only a few months ago, from 50 cents to \$1. Dr. John W. Foss is president; S. N. Sears, general manager; J. W. Thompson, secretary and attorney.

The road from Phoenix to the Mazatzals is far from good and it is impossible to get a wagon or automobile within a half mile of the mine. Supplies and machinery are packed in on burros, and the quicksilver is packed out the same way.

Machinery for a small mill was carried to the mine and there set up. It has been in operation a little over a month and the shipment of ore has already been made. A carload is now accumulating at the mine and will be shipped early in January. The mine contains 300 flasks and each flask contains 15 pounds of mercury.

Application Is Refused. The new Arizona mine tax law works in a mysterious way. Some of its peculiarities were brought to light as a result of the application of the Arizona Copper company, of Greenlee county, for a reduction of approximately \$500,000 in its assessment. The application has been finally denied by the state tax commission.

It is provided by the new law that each producing mine shall be assessed on 12 1/2 percent of its gross output, plus four times the net. In fixing valuations the company must take the average prices on metal quoted by the Mining & Engineering Journal or some publication of equal standing.

The Arizona Copper company was assessed the same as though it produced casting copper and applied for a reduction on the ground that the average price of Bessemer pig was lower than that of casting. According to its own statement it received an average of 15.852 cents a pound for its Bessemer pig.

Three Companies Receive Less. At least three of the big mining companies of Arizona received less, on the average, for electrolytic than the Arizona company received for its pig. They were not so fortunate in marketing their product. The Great Western received 15.842 cents a pound; Queen 15.510 and Ray Consolidated 15.724. Still they were assessed on the basis of 16.342, the average for electrolytic throughout the year.

In addition to this the electrolytic people had to pay \$5 a ton extra for the electrolytic process, through which Bessemer pig does not pass. The company turns out Bessemer pig.

SMELTER TO RESUME CUSTOM TREATMENT

Runners Say That Humboldt Plant Is to Again Try Custom Work; New Machinery Installed. Prescott, Ariz., Dec. 10.—Runners are in circulation that the Humboldt smelter will shortly resume the treatment of custom ores. If this is the case it will be important to the mining industry in Yavapai county. Practically all the ores shipped out of Yavapai now go to Douglas. Many properties are idle because it will not pay to transport their ores such a great distance.

Much new machinery is being installed at Humboldt and it is stated that a new process of reduction is to be employed. A large force of men is employed in making betterments that cannot be completed for several weeks. The smelter is turning out its usual production of matte. No ores except those from the Bluebell mine are being treated. The Bluebell is owned by the company that owns the smelter.

An eastern syndicate has bought for \$50,000 the Red Rock, Belcher and Shagena claims in the Mazatzal district. It is understood that development will begin soon.

W. G. Slagter and C. V. Pitcock, who are leasing the Shamrock mine, have just made a shipment of high grade gold-silver ore. Sample assays from

the shipment gave results of \$125 a ton. The Shamrock is one of the New State group, on the Hassayampa.

A contract has been let to sink 75 feet from the 100 foot level of the main shaft at the Stein group. Much drifting and crosscutting has been done recently and at all points the showing is satisfactory. Machinery has been installed.

At the annual meeting of the stockholders of the Yavapai Metals Mining company officers were elected for the ensuing year and it was decided to begin development work immediately. A large appropriation was made to carry on exploration at depth. When work was suspended several months ago, conditions were quite satisfactory. Large ore bodies were in evidence and some of the ore carried as much as 45 percent copper. All needed machinery is on the ground.

County treasurer E. A. Rogers has received from the United Verde Copper company a check for \$148,768.61, which is the amount of the company's state and county taxes this year. It is believed that this is the largest individual check ever paid into the county treasury.

WORK CONTINUES ON LITTLE DAISY

Guggenheims Reported to Have Option on the Copper Chief Property in the Jerome District.

Jerome, Ariz., Dec. 10.—Deep development is being continued with highly satisfactory results at the Little Daisy mine. The Douglas shaft has been timbered down to the drift at the 500 foot level and within a short time the work of sinking this shaft down to 1600 feet will be commenced. A new compressor, recently installed at the old shaft, is being moved to the Douglas. The old shaft is to be continued. This drift will be continued under the Douglas shaft, with which it will be connected by an upraise.

At the Arkansas & Arizona a raise from the bottom of the shaft, now 1400 feet in depth, has been made to the 1100 foot level.

The shaft on the 1250 foot level of the Haynes mine has been completed and a large station, 4x20 feet in dimensions, with 12 feet in the clear, has been made on the 1250 foot level.

An electrical pump and compressor will be installed soon at the Haynes. The present force of 25 men is to be increased within the next 30 days.

A few men are working on the Copper Chief. It is still rumored that the Guggenheims have an option on this property and are shortly to begin extensive operations.

CUMPAS MINES ARE AGAIN SHIPPING ORE

Douglas, Ariz., Dec. 10.—Chester R. Scott, of this city has taken a lease on the Esjaro Azul property, 14 miles west of Cumpas, and will put a force to work on it within a short time. The property is understood to be a promising copper-silver prospect.

The Greenbush property, 26 miles west of Cumpas, has commenced shipping a burro train having carried out on a haul of ore to Colson and Quaker at Nacoziari. As soon as a carload has been received the ore will be sent here to the Copper Queen smelter. The property is being operated under a lease by Al Lloyd and associates.

DAILY RECORD

To Lee Moor Contracting company. To erect a tool house, block 23, Mundy Heights, estimated cost, \$150.

To J. J. Neal, to build a garage, 1432 Hawthorne place; estimated value, \$300.

Deeds Filed. South side of Manzana, between Estrada and San Marcela—S. C. Celum to Anselmo O. Salazar, lots 22, 23, and 24, block 46, East El Paso; consideration, \$450; Nov. 25, 1913.

Lincoln Park addition—Patrick F. Noonan and wife to Joaquin Salazar, northerly 25 feet of lots 1 and 2, block 4, Lincoln park; consideration, \$375; Oct. 7, 1913.

Socorro, Texas—R. W. Love and wife, to Laura Oden, seven tracts, Socorro town tract; consideration, \$24,000; Dec. 5, 1913.

Clint, Texas—Laura Oden and husband, to Laura Oden, seven tracts, Socorro town tract; consideration, \$24,000; Dec. 5, 1913.

HIGHLY ENDORSED BY VETERINARIAN

Well Known Citizen of Fort Worth Gives His Views of Plant Juice, the Tonic.

Dr. W. G. Taylor who is the owner of a fine ranch near Stockton, Texas, and who is a practicing veterinary surgeon says:

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band to R. W. Love, tract, Clint; consideration, \$2,000; Dec. 5, 1913.

Sierra Blanca, Texas—Mrs. W. P. Trawick to George La Farge, lots 15 and 16, block 12, Sierra Blanca; consideration, \$16; Dec. 2, 1913.

West side of Hills, between Eighth and Ninth—Rosendo Vasquez and wife to A. S. Carroll, lot 13, block 29, Macgoffin's addition; consideration, \$600; Dec. 6, 1913.

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CLINT, TEXAS—Laura Oden and husband, to Laura Oden, seven tracts, Socorro town tract; consideration, \$24,000; Dec. 5, 1913.

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